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## THE STUDY OF NEGATIVE PROGNOSTIC PARAMETERS OF INTERVENTIONAL MISTAKES USING THE SCHEME OF THE METHOD OF BRANCHES AND BOUNDARIES

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Conducting minimally invasive interventions requires continuous improvement of multidisciplinary approach to the analysis of errors and develop a differentiated approach to each clinical situation for achieve the efficiency about 100%. We propose to solve combinatorial (correctable) problem of selection options of negative prognostic indicators of interventional mistakes to ensure a high level of patient safety, as well as study-level skills and minimal training required for training programs for interventional medicine (in particular in pain management) by applying the method of branches and boundaries. Using these logistic models in clinical practice should optimize the clinical algorithms processing to reduce stereotypical judgments and redundant diagnostic and therapeutic medical procedures. The modeled mistakes led to a decrease in the quality of intervention, but could cause iatrogenic injury in clinical conditions. The method of branches and boundaries effectively solves the problem of choice and interventional mistakes negative prognostic indicators as a discrete optimization problem.